

WHAT IS CLAIMED IS:

1           1.     A self-contained business transaction capsule to conduct a wireless transaction,  
2 comprising:  
3                 data regarding the wireless transaction; and  
4                 transaction logic to complete the wireless transaction, wherein the self-contained  
5 business transaction capsule is adapted to be broadcasted to and stored on a portable  
6 electronic device.

1           2.     The self-contained business transaction capsule according to claim 1, wherein the  
2 data regarding the wireless transaction includes at least one of a price, a transaction description,  
3 and an image.

1           3.     The self-contained business transaction capsule according to claim 1, wherein the  
2 transaction logic includes at least one of billing and shipping information, order routing  
3 information, order status information, shipping status information, and transaction rules.

1           4.     The self-contained business transaction capsule according to claim 1, wherein the  
2 transaction logic is adapted to transmit completed transaction data from the portable electronic  
3 device to a transaction system.

1           5.     The self-contained business transaction capsule according to claim 4, wherein the  
2 completed transaction data is transmitted to the transaction system via at least one of: direct

3 dialing with a wireless telephone protocol, utilizing Short Messaging Service (SMS), and via  
4 Transmission Control Protocol/Internet Protocol (TCP/IP).

1 6. The self-contained business transaction capsule according to claim 1, wherein the  
2 portable electronic device is a mobile wireless-enabled device.

1 7. The self-contained business transaction capsule according to claim 1, wherein the  
2 portable electronic device utilizes a Bluetooth wireless networking protocol.

1 8. The self-contained business transaction capsule according to claim 1, wherein the  
2 self-contained business transaction capsule is adapted to be readily transmitted from the portable  
3 electronic device to another portable electronic device.

1 9. The self-contained business transaction capsule according to claim 1, wherein the  
2 self-contained business transaction capsule is broadcasted to the portable electronic device by at  
3 least one of a radio wave, a television signal, a cellular telephony signal, a satellite signal, and an  
4 infrared signal.

1 10. The self-contained business transaction capsule according to claim 1, wherein the  
2 portable electronic device includes a container for storing self-contained business transaction  
3 capsules.

1           11.     The self-contained business transaction capsule according to claim 1, wherein the  
2     self-contained business transaction capsule communicates to a plurality of systems to complete  
3     the wireless transaction.

1           12.     The self-contained business transaction capsule according to claim 1, wherein the  
2     data regarding the wireless transaction includes at least one of a price, a transaction description,  
3     and an image, and the transaction logic includes at least one of billing and shipping information,  
4     order routing information, order status information, shipping status information, and transaction  
5     rules.

1           13.     A mobile commerce system, comprising:  
2                    a input transformer to create a self-contained business transaction capsule,  
3                    wherein the self-contained business transaction capsule includes data regarding a wireless  
4                    transaction, transaction logic to complete the wireless transaction, and the self-contained  
5                    business transaction capsule is adapted to be broadcasted to and stored on a portable  
6                    electronic device; and  
7                    an output transformer to broadcast the self-contained business transaction capsule  
8                    to the portable electronic device.

1           14.     The mobile commerce system according to claim 13, further including a  
2     transactor to handle all transaction requirements with the portable electronic device to complete  
3     the wireless transaction.

1           15.     The mobile commerce system according to claim 14, wherein the transactor  
2 performs at least one of payment processing, order routing, ticket redemption, device  
3 authentication, user authentication, invalidation of lost self-contained business transaction  
4 capsules, and delivery of contents to complete the wireless transaction with the portable  
5 electronic device.

1           16.     The mobile commerce system according to claim 13, wherein the input  
2 transformer and the output transformer reside in a host computer system.

1           17.     The mobile commerce system according to claim 13, wherein the input  
2 transformer, the output transformer, and the transactor reside in a host computer system.

1           18.     The mobile commerce system according to claim 13, wherein the input  
2 transformer creates the self-contained business transaction capsule based on data manually  
3 entered by a user.

1           19.     The mobile commerce system according to claim 13, wherein the input  
2 transformer automatically creates the self-contained business transaction capsule by analyzing  
3 markup tags extracted from a data source.

1           20.     The mobile commerce system according to claim 13, wherein the output  
2 transformer is selected from the group consisting of a wireless application protocol (WAP)  
3 transformer, a Palm operating system (OS) transformer, and a banner advertisement transformer.

1           21.     The mobile commerce system according to claim 13, wherein the data regarding  
2     the wireless transaction includes at least one of a price, a transaction description, and an image.

1           22.     The mobile commerce system according to claim 13, wherein the transaction  
2     logic includes at least one of billing and shipping information, order routing information, order  
3     status information, shipping status information, and transaction rules.

1           23.     The mobile commerce system according to claim 13, wherein the transaction  
2     logic is adapted to transmit completed transaction data from the portable electronic device to a  
3     transaction system.

1           24.     The mobile commerce system according to claim 23, wherein the completed  
2     transaction data is transmitted to the transaction system via at least one of: direct dialing with a  
3     wireless telephone protocol, utilizing Short Messaging Service (SMS), and via Transmission  
4     Control Protocol/Internet Protocol (TCP/IP).

1           25.     The mobile commerce system according to claim 13, wherein the portable  
2     electronic device is a mobile wireless-enabled device.

1           26.     The mobile commerce system according to claim 13, wherein the portable  
2     electronic device utilizes a Bluetooth wireless networking protocol.

1           27.     The mobile commerce system according to claim 13, wherein the self-contained  
2     business transaction capsule is adapted to be readily transmitted from the portable electronic  
3     device to another portable electronic device.

1           28.     The mobile commerce system according to claim 13, wherein the self-contained  
2     business transaction capsule is broadcasted to the portable electronic device by at least one of a  
3     radio wave, a television signal, a cellular telephony signal, a satellite signal, and an infrared  
4     signal.

1           29.     The mobile commerce system according to claim 13, wherein the portable  
2     electronic device includes a container for storing self-contained business transaction capsules.

1           30.     The mobile commerce system according to claim 13, wherein the self-contained  
2     business transaction capsule communicates to a plurality of systems to complete the wireless  
3     transaction.

1           31.     The mobile commerce system according to claim 13, wherein the data regarding  
2     the wireless transaction includes at least one of a price, a transaction description, and an image,  
3     and the transaction logic includes at least one of billing and shipping information, order routing  
4     information, order status information, shipping status information, and transaction rules.

1           32.     A portable electronic device adapted to conduct a wireless transaction,  
2     comprising:

3 a data storage medium; and  
4 machine-readable code, stored on the data storage medium, the machine-readable  
5 code including,  
6 data regarding the wireless transaction, and  
7 transaction logic to complete the wireless transaction, wherein the  
8 machine-readable code is broadcasted to the portable electronic device to be  
9 stored on the data storage medium.

1 33. The portable electronic device according to claim 32, wherein the data regarding  
2 the wireless transaction includes at least one of a price, a transaction description, and an image.

1 34. The portable electronic device according to claim 32, wherein the transaction  
2 logic includes at least one of billing and shipping information, order routing information, order  
3 status information, shipping status information, and transaction rules.

1 35. The portable electronic device according to claim 32, wherein the transaction  
2 logic is adapted to transmit completed transaction data from the portable electronic device to a  
3 transaction system.

1 36. The portable electronic device according to claim 35, wherein the completed  
2 transaction data is transmitted to the transaction system via at least one of: direct dialing with a  
3 wireless telephone protocol, utilizing Short Messaging Service (SMS), and via Transmission  
4 Control Protocol/Internet Protocol (TCP/IP).

1           37.     The portable electronic device according to claim 32, wherein the portable  
2     electronic device is a mobile wireless-enabled device.

1           38.     The portable electronic device according to claim 32, wherein the portable  
2     electronic device utilizes a Bluetooth wireless networking protocol.

1           39.     The portable electronic device according to claim 32, wherein the machine-  
2     readable code is adapted to be readily transmitted from the portable electronic device to another  
3     portable electronic device.

1           40.     The portable electronic device according to claim 32, wherein the machine-  
2     readable code is broadcasted to the portable electronic device by at least one of a radio wave, a  
3     television signal, a cellular telephony signal, a satellite signal, and an infrared signal.

1           41.     The portable electronic device according to claim 32, wherein the portable  
2     electronic device includes a container for storing the machine readable code.

1           42.     The portable electronic device according to claim 32, wherein the machine-  
2     readable code communicates to a plurality of systems to complete the wireless transaction.

1           43.     The portable electronic device according to claim 32, further including a tuner  
2     adapted to tune into and receive a particular category of self-contained business transaction

3 capsule identifications being broadcasted in order to receive self-contained business transaction  
4 capsules of the particular category.

1 44. The portable electronic device according to claim 32, wherein the data regarding  
2 the wireless transaction includes at least one of a price, a transaction description, and an image,  
3 and the transaction logic includes at least one of billing and shipping information, order routing  
4 information, order status information, shipping status information, and transaction rules.

1 45. A method of providing a self-contained business transaction capsule to conduct a  
2 wireless transaction, the method comprising:  
3 providing data regarding the wireless transaction;  
4 providing transaction logic to complete the wireless transaction;  
5 packaging the data regarding the wireless transaction and the transaction logic to  
6 complete the wireless transaction into the self-contained business transaction capsule; and  
7 broadcasting the self-contained business transaction capsule to at least one  
8 portable electronic device, wherein the self-contained business transaction capsule is  
9 adapted to be stored on the portable electronic device.

1 46. The method according to claim 45, further including entering manually the data  
2 regarding the wireless transaction by a user.

1 47. The method according to claim 45, further including:  
2 extracting markup tags from a data source; and

3 analyzing the markup tags to determine the data regarding the wireless  
4 transaction.

1 48. The method according to claim 45, further including transmitting completed  
2 transaction data from the portable electronic device to a transaction system.

1 49. The method according to claim 48, wherein the completed transaction data is  
2 transmitted to the transaction system via at least one of: direct dialing with a wireless telephone  
3 protocol, utilizing Short Messaging Service (SMS), and via Transmission Control  
4 Protocol/Internet Protocol (TCP/IP).

1 50. The method according to claim 45, further including transmitting the self-  
2 contained business transaction capsule from the portable electronic device to another portable  
3 electronic device.

1 51. The method according to claim 45, wherein the data regarding the wireless  
2 transaction includes at least one of a price, a transaction description, and an image.

1 52. The method according to claim 45, wherein the transaction logic includes at least  
2 one of billing and shipping information, order routing information, order status information,  
3 shipping status information, and transaction rules.

53. The method according to claim 45, wherein the portable electronic device is a mobile wireless-enabled device.

54. The method according to claim 45, wherein the portable electronic device utilizes a Bluetooth wireless networking protocol.

55. The method according to claim 45, wherein the self-contained business transaction capsule is broadcasted to the portable electronic device by at least one of a radio wave, a television signal, a cellular telephony signal, a satellite signal, and an infrared signal.

56. The method according to claim 45, wherein the portable electronic device includes a container for storing self-contained business transaction capsules.

57. The method according to claim 45, further including communicating to a plurality of systems to complete the wireless transaction.

58. The method according to claim 45, wherein the data regarding the wireless transaction includes at least one of a price, a transaction description, and an image, and the transaction logic includes at least one of billing and shipping information, order routing information, order status information, shipping status information, and transaction rules.

59. A self-contained business transaction capsule to conduct a wireless transaction, comprising:

3 data regarding the wireless transaction;  
4 device logic to facilitate interaction with a portable electronic device; and  
5 mobile commerce system logic to facilitate interaction with a mobile commerce  
6 system to complete the wireless transaction, wherein the self-contained business  
7 transaction capsule is adapted to be broadcasted to and stored on the portable electronic  
8 device.

1 60. The self-contained business transaction capsule according to claim 59, wherein  
2 the data regarding the wireless transaction includes at least one of a price, a transaction  
3 description, and an image.

1 61. The self-contained business transaction capsule according to claim 59, wherein  
2 the mobile commerce system logic includes at least one of billing and shipping information,  
3 order routing information, order status information, shipping status information, and transaction  
4 rules.

1 62. The self-contained business transaction capsule according to claim 59, wherein  
2 the mobile commerce system logic is adapted to transmit completed transaction data from the  
3 portable electronic device to a mobile commerce system.

1 63. The self-contained transaction capsule according to claim 62, wherein the  
2 completed transaction data is transmitted to the transaction system via at least one of: direct

3 dialing with a wireless telephone protocol, utilizing Short Messaging Service (SMS), and via  
4 Transmission Control Protocol/Internet Protocol (TCP/IP).

1 64. The self-contained business transaction capsule according to claim 59, wherein  
2 the portable electronic device is a mobile wireless-enabled device.

1 65. The self-contained business transaction capsule according to claim 59, wherein  
2 the portable electronic device utilizes a Bluetooth wireless networking protocol.

1 66. The self-contained business transaction capsule according to claim 59, wherein  
2 the self-contained business transaction capsule is adapted to be readily transmitted from the  
3 portable electronic device to another portable electronic device.

1 67. The self-contained business transaction capsule according to claim 59, wherein  
2 the self-contained business transaction capsule is broadcasted to the portable electronic device by  
3 at least one of a radio wave, a television signal, a cellular telephony signal, a satellite signal, and  
4 an infrared signal.

1 68. The self-contained business transaction capsule according to claim 59, wherein  
2 the portable electronic device includes a container for storing self-contained business transaction  
3 capsules.

1           69.    The self-contained business transaction capsule according to claim 59, wherein  
2   the self-contained business transaction capsule communicates to a plurality of systems to  
3   complete the wireless transaction.

1           70.    The self-contained business transaction capsule according to claim 59, wherein  
2   the data regarding the wireless transaction includes at least one of a price, a transaction  
3   description, and an image, and the transaction logic includes at least one of billing and shipping  
4   information, order routing information, order status information, shipping status information, and  
5   transaction rules.